In the claims:

Amend the following claims:

1. A starter generator for an internal combustion engine, comprising a rotor and a stator each composed of structural elements, the structural elements comprising layered and joined together metal sheets which are stacked on one another so that the structural elements of the rotor and the stator are at least maximally preshaped, the metal sheets of the stator having a suitable geometry for creating the stator directly, the rotor having a base body which contains all essential structural elements of the rotor each comprising the [sheet] metal sheet.

24. The starter generator as defined in claim 1, wherein the structural elements of the starter include a cooling system with a first cooling system accommodated in an interior of the stator to provide internal cooling, and a second cooling system with a part [formed by] having pin bores and recesses [and a second cooling system with a part formed] on an outer edge of the stator [by a recesses] for receiving cooling tubes for external cooling.

25. The starter generator as defined in claim [1] 24, wherein the [structural elements of the stator include a cooling system with a] first cooling system [accommodated in an interior of the stator] for internal cooling [and a second cooling system] is accommodated on an outer edge of the stator and [having] has an outer jack face formed by a wall of a gear bell which receives the stator [ball for external cooling].

Amended claims:

1. A starter generator for an internal combustion engine, comprising a rotor and a stator each composed of structural elements, the structural elements comprising layered and joined together metal sheets which are stacked on one another so that the structural elements of the rotor and the stator are at least maximally preshaped, the metal sheets of the stator having a suitable geometry for creating the stator directly, the rotor having a base body which contains all essential structural elements of the rotor each comprising the metal sheet.

24. The starter generator as defined in claim 1, wherein the structural elements of the starter include a cooling system with a first cooling system accommodated in an interior of the stator to provide internal cooling, and a second cooling system with a part having pin bores and recesses on an outer edge of the stator for receiving cooling tubes for external cooling.

25. The starter generator as defined in claim 24, wherein the first cooling system for internal cooling is accommodated on an outer edge of the stator and has an outer jack face formed by a wall of a gear bell which receives the stator.